

Gernot Wagner

Lead Senior Economist, Environmental Defense Fund
Adjunct Associate Professor, Columbia University's School of International and Public Affairs
Research Associate, Harvard Kennedy School

18 Tremont Street, Suite 850
Boston, MA 02108
United States

Phone: +1 (617) 406-1841
gwagner@edf.org
<http://www.gwagner.com>

Curriculum Vitae

Personal

Born: 1980, Austria.
Married: 2002, Siripanth Nippita, M.D.
Children: 2011, Annan Nippita; 2013, Sonja Nippita.
Citizenship: Austria and United States.

Employment

Environmental Defense Fund <i>Lead Senior Economist</i> <i>Senior Economist</i> <i>Economist</i> Co-leading Office of Economic Policy and Analysis, spearheading analytics and providing economic thought leadership throughout organization.	New York, NY and Boston, MA 2014 – present 2013 – 2014 2008 – 2013
Columbia University <i>Adjunct Associate Professor</i> <i>Adjunct Assistant Professor</i> Teaching Economics of Energy to 65+ Masters students at School of International and Public Affairs.	New York, NY 2012 – present 2011 – 2012
The Boston Consulting Group <i>Consultant</i> Advised utility and financial-sector clients on energy and environmental issues.	New York, NY 2007-2008
Financial Times <i>Peter Martin Fellow, Editorial Board</i> Wrote editorials on energy, environment, and economics.	London, UK 2007

Education

Harvard University <i>Ph.D. in Political Economy and Government</i>	Cambridge, MA 2007
Harvard University <i>M.A. in Political Economy and Government</i>	Cambridge, MA 2006

Stanford University
M.A. in Economics

Stanford, CA
2003

Harvard University
A.B. in Environmental Science and Public Policy, and Economics

Cambridge, MA
2002

Work in progress/under review

[“Climate Sensitivity Uncertainty: When is Good News Bad?”](#) (with Mark C. Freeman and Richard J. Zeckhauser; NBER Working Paper w20900, Harvard Kennedy School Faculty Research Working Paper Series RWP15-002, January 2015; presented at: [American Economic Association Meetings](#), January 2014; [World Congress of Environmental and Resource Economists](#), July 2014; [“Developing the Next Generation of Economic Models of Climate Change,”](#) University of Minnesota, September 2014; [“Beyond IPCC: Future paths for climate research,”](#) University of Gothenburg, October 2014)

“Applying Asset Pricing Theory to Calibrate the Price of Climate Risk” (with Kent Daniel and Robert B. Litterman; presented at: [“Developing the Next Generation of Economic Models of Climate Change,”](#) University of Minnesota, September 2014; [American Economic Association Meetings](#), January 2015)

“The Coming Climate G2: United States and India” (with Jonathan Camuzeaux and Thomas Sterner)

“The Greening of the U.S. Power Sector” (with Eric Gimon, Ruiwen Lee, and Thomas Sterner)

“Looming U.S. nuclear cliff raises important policy questions” (with Mark S. Brownstein, Jonathan Camuzeaux, and Steven P. Hamburg)

“Industrialization of renewables helps build basis for climate policy” (with Tomas Kåberger, Susanna Olai, Michael Oppenheimer, Katherine Rittenhouse, and Thomas Sterner)

Publications

Books

Wagner, Gernot and Martin L. Weitzman. [Climate Shock: The Economic Consequences of a Hotter Planet](#) (Princeton University Press; 2015)

Wagner, Gernot. [But Will the Planet Notice? How Smart Economics Can Save the World](#) (Hill & Wang/Farrar Strauss & Giroux, 2011; paperback, 2012)

Articles

Gillingham, Kenneth, David Rapson, and Gernot Wagner. [“The Rebound Effect and Energy Efficiency Policy.”](#) E2e Working Paper WP-013, October 2014; RFF Discussion Paper 14-39, November 2014; forthcoming in *Review of Environmental Economics and Policy* (Winter 2015).

Convery, Frank J. and Gernot Wagner. “Reflections – Managing Uncertain Climates: Some Guidance for Policy Makers and Researchers.” Forthcoming in *Review of Environmental Economics and Policy* (Winter 2015).

Steininger, Karl W., Gernot Wagner, Paul Watkiss, Martin König. “[Climate Change Impacts at the National Level: Known Trends, Unknown Tails, and Unknowables](#).” In: Steininger, Karl W., König, Martin, Bednar-Friedl, Birgit, Kranzl, Lukas, Loibl, Wolfgang, Prettenhaler, Franz (Eds). *Economic Evaluation of Climate Change Impacts*, Springer (2015).

Wagner, Gernot. “[Linking sound economics with global politics](#).” Forthcoming in *Annual Proceedings of the Wealth and Well-Being of Nations* (2015), in honor of 2014 Upton Scholar Robert N. Stavins.

Green, Jessica F., Thomas Sterner, and Gernot Wagner. “[A balance of ‘bottom-up’ and ‘top-down’ in Linking Climate Policies](#).” *Nature Climate Change* 4: 1064–1067 (December 2014). doi:10.1038/nclimate2429

Tewksbury, Joshua and Gernot Wagner. “[The Role of Civil Society in Recalibrating Conservation Science Incentives](#).” *Conservation Biology* (2014). doi: 10.1111/cobi.12288

Gillingham, Kenneth, Matthew J. Kotchen, David S. Rapson, and Gernot Wagner. “[Energy policy: The rebound effect is overplayed](#).” *Nature* 493: 475–476 (24 January 2013). doi:10.1038/493475a

Wagner, Gernot and Richard J. Zeckhauser. “[Climate Policy: Hard Problem, Soft Thinking](#).” *Climatic Change* 110, no. 3-4 (2012): 507-521.

Gosh, Arunabha, Benito Müller, William Pizer, and Gernot Wagner. “[Mobilizing the Private Sector: Quantity-Performance Instruments for Public Climate Funds](#),” Oxford Energy and Environment Brief (2012).

Wagner, Gernot. 2010. “[Energy Content of World Trade](#),” *Energy Policy* 38, no. 12 (2010): 7710-7721.

Wagner, Gernot, Nathaniel Keohane and Annie Petsonk. “[Sectoral Crediting: getting governance right from the beginning](#).” In: Transparency International. *Global Corruption Report* (2010).

Wagner, Gernot; Keohane, Nat; Petsonk, Annie; and Wang, James. “[Docking into a global carbon market: Clean Investment Budgets to finance low-carbon economic development](#),” in: Helm, Dieter and Hepburn, Cameron (Eds). *The Economics and Politics of Climate Change*, Oxford University Press (2009).

Lin, C.-Y. Cynthia and Wagner, Gernot. “[Steady-State Growth in a Hotelling Model of Resource Extraction](#),” *Journal of Environmental Economics and Management* 54 (2007): 68-83.

Stavins, Robert N.; Wagner, Alexander F.; and Wagner, Gernot. “[Interpreting Sustainability in Economic Terms: Dynamic Efficiency Plus Intergenerational Equity](#),” *Economics Letters* 79 (2003): 339-343.

Policy briefs, white papers, reports, testimonies

Moreno-Cruz, Juan B., Katharine L. Ricke, and Gernot Wagner. "[The Economics of Climate Engineering](#)." Opinion Article, Geoengineering Our Climate Working Paper and Opinion Article Series (2015).

Wagner, Gernot. "Versicherung und Klimawandel." (German: "Insurance and climate change.") In: Steininger, Karl W. (Ed). "[Die Folgeschäden des Klimawandels in Österreich](#)" (German: "The costs of climate change in Austria."), Cost of Inaction (COIN) Broschüre (2015).

Ceronsky, Megan, Rachel Cleetus, Frank J. Convery, Peter H. Howard, Laurie T. Johnson, Nathaniel O. Keohane, Richard L. Revesz, Jason A. Schwartz, Thomas Sterner, and Gernot Wagner. "[Joint Comments on the U.S. Social Cost of Carbon](#)." In response to Docket ID No. EPA-HQ-OAR-2013-0602, Clean Power Plan (December 1, 2014).

Wagner, Gernot. "Characterizing the Economic Benefits of Anticipated Methane Reductions for the Proposed Amendment to Colorado's Proposed Oil and Gas Regulation with Respect to Climate Change." Submitted for [Regulatory Analysis](#) for Proposed Revisions to Colorado Air Quality Control Commission Regulation Numbers 3, 6 and 7 (5 CCR 1001-5, 5 CCR 1001-8, and CCR 1001-9) (January 31, 2014).

Wagner, Gernot. [Carbon Cap and Trade](#). In: *Encyclopedia of Energy, Natural Resource, and Environmental Economics*, edited by Jason F. Shogren, Elsevier: 1-5 (2013).

Moniz, Ernest J. and Gernot Wagner. [Electricity: Seeking Progress Amid Uncertainty](#). The Aspen Institute 2012 Energy Policy Forum report (2012).

Lee, Ruiwen, and Gernot Wagner. "[The Rebound Effect in a More Fuel Efficient Transportation Sector](#)," New York University School of Law's Institute for Policy Integrity working paper (2012).

Buchner, Barbara, Jessica Brown, Gernot Wagner, and Katherine Sierra. "[Improving the effectiveness of climate finance: A survey of leveraging methodologies](#)." Joint Environmental Defense Fund, Climate Policy Initiative, Overseas Development Institute, Brookings Institution white paper (2011).

Chaum, Miriam, Chris Faris, Gernot Wagner, Barbara Buchner, Angela Falconer, Chiara Trabacchi, Jessica Brown, and Katherine Sierra. "[Improving the effectiveness of climate finance: Key lessons](#)." Joint Environmental Defense Fund, Climate Policy Initiative, Overseas Development Institute, Brookings Institution white paper (2011).

Sharp, Phil and Gernot Wagner. [Changing Currents: Turbulence for the Electricity Industry?](#) The Aspen Institute 2011 Energy Policy Forum report (2011).

Rogers, James E. and Gernot Wagner. [Providing Energy Services in a Changing Industry](#). The Aspen Institute 2010 Energy Policy Forum report (2010).

Laszlo, Chris, Karen Christensen, Daniel Fogel, Gernot Wagner, and Peter Whitehouse (Eds.). *Berkshire encyclopedia of sustainability: the business of sustainability*. Berkshire Publishing (2010).

[“Turn Toward Climate Safety,”](#) Environmental Defense Fund International Climate Policy Brief, November 2009.

Wagner, Gernot. “U.S. Timber Accounts, 1957-1997,” *Proceedings of the Symposium on Forest Environmental Value Accounting*, Chinese Academy of Forestry, 9-12 October 2001, Beijing.

Wagner, Gernot. [“The Political Economy of Greening the National Income Accounts,”](#) *Newsletter of the Association of Environmental and Resource Economists* 21 (May 2001): 14-18.

Popular press

Wagner, Gernot and Martin L. Weitzman. [“How does climate stack up against other worst-case scenarios?”](#) *Ensi*, 1 April 2015.

Wagner, Gernot and Martin L. Weitzman. [“Errors of commission versus errors of omission.”](#) *The Globalist*, 1 April 2015.

Wagner, Gernot and Martin L. Weitzman. [“The planet won’t notice you recycle, and your vote doesn’t count.”](#) *Salon*, 29 March 2015.

Wagner, Gernot and Martin L. Weitzman. [“Will Camels Roam Canada Again?”](#) *The Atlantic* online, 2 March 2015.

Wagner, Gernot and Martin L. Weitzman. [“How to steer clear of the looming climate shock.”](#) *Ensi*, 25 February, 2015.

Wagner, Gernot. [“Pay Now or Pay More Later.”](#) *Ensi*, 10 April 2014.

Litterman, Robert B. and Gernot Wagner. [“The Silver Bullet of Climate Change Policy.”](#) *Forbes* online, 23 January 2014.

Wagner, Gernot and Martin L. Weitzman. [“Inconvenient Uncertainties.”](#) *New York Times*, 10 October 2013.

Keohane, Nathaniel O. and Gernot Wagner. [“Judge a carbon market by its cap, not its prices.”](#) *Financial Times*, 17 July 2013.

Wagner, Gernot. [“Cut Power Plant Pollution.”](#) *Foreign Policy* feature on: “The Second Coming: What can the 44th president really achieve in his second term.” January/February 2013.

Wagner, Gernot. [“Why Bloomberg Endorsed Obama.”](#) *Foreign Policy*, 2 November 2012.

Wagner, Gernot and Martin L. Weitzman. [“Was Hurricane Sandy the ‘Fat Tail’ of Climate Change?”](#) *Wall Street Journal* Ideas Market blog, 1 November 2012.

Wagner, Gernot and Martin L. Weitzman. [“Playing God.”](#) *Foreign Policy*, 24 October 2012.

Wagner, Gernot. [“It’s not over ‘til the fat tail zings.”](#) *European Financial Review*, 20 June 2012.

Azar, Christian, Thomas Sterner, and Gernot Wagner. "[Rio isn't all lost.](#)" *New York Times*, 18 June 2012.

Wagner, Gernot. "[For young graduates, the case for economics.](#)" *Washington Post*, 3 January 2012.

Wagner, Gernot. "[Innovation is Not Enough: Why Polluters Must Pay.](#)" *Yale Environment* 360, 12 March 2012.

Wagner, Gernot. "[Making the Case for the Value of Environmental Rules.](#)" *Yale Environment* 360, 14 November 2011.

Wagner, Gernot. "[Cold, Hard Economics.](#)" *Foreign Policy*, 8 November 2011.

Wagner, Gernot. "[Going Green but Getting Nowhere.](#)" *New York Times*, 8 September 2011.

(Please see www.gwagner.com for a complete list.)

Teaching and Advising

[U6065 The Economics of Energy](#), Columbia University, School of International and Public Affairs, adjunct assistant professor (Spring 2011 [3.68/5]; Fall 2011), adjunct associate professor (Fall 2012 [4.02/5], 2013 [3.85/5], 2014 [3.33/5]).

API-109 Advanced Microeconomic Analysis I, Kennedy School of Government, teaching fellow for Nolan H. Miller (Fall 2003, 2004, 2005 [4.87/5] and 2006 [4.95/5; Dean's Award for Excellence in Student Teaching]).

Ec 1025 Theory of Capital and Income, Harvard University, teaching fellow for Martin L. Weitzman (Fall 2004 and 2005 [4.67/5]).

Ec 1661/ENR-201 Environmental and Resource Economics and Policy, Harvard University; teaching fellow for Robert N. Stavins (Spring 2004 and 2006 [4.60/5; Dean's Award for Excellence in Student Teaching]), guest lecturer (Spring 2005 and 2006).

Non-resident tutor in Political Economy and Government, Quincy House, Harvard University (2004 to 2007).

Awards, Honors, Grants, and Professional Affiliations

Research Associate, Harvard Kennedy School (2014 – 2015)

[Conservation research panel](#), WWF's Luc Hoffmann Institute (2013 – present)

Term member, [Council on Foreign Relations](#) (2012 – 2017)

DOC-Stipend of the Austrian Academy of Sciences (2005 – 2007)

Humane Studies Fellowship (2006 – 2007)

Pre-Doctoral Repsol YPF-Harvard Kennedy School Fellowship in energy policy (2005 – 2006)

Harvard Kennedy School of Government Dean's Award for Excellence in Student Teaching (2005 – 2006)

Harvard University Presidential Scholars Grant (Fall 2005)

Harvard University Certificate of Distinction in Teaching (Spring 2004 and 2006)

Harvard University Graduate School of Arts and Sciences fellowship and tuition grant (2003 – 2007)

Stanford University Department of Economics graduate fellowship and tuition grant (2002 – 2003)

Thomas T. Hoopes Prize for senior thesis, Harvard University (2002)

A.B. *magna cum laude* with highest honors in field (2002)

Presentations, Talks, Media

Academic seminars: Arizona State University, Bristol, Columbia, Duke, Harvard, London School of Economics, Massachusetts Institute of Technology, New York University, Oxford, Princeton, Stanford, University of Gothenburg, University of Minnesota, Yale, American Economic Association, among others.

Keynote talks, panels, debates: Council on Foreign Relations, Carnegie Endowment for International Peace, New York Academy of Sciences, Chinese Academy of Sciences, Institute for New Economic Thinking, Columbia University Earth Summit, World Bank, Aspen Institute Environment Forum, Manhattan Institute, Atlantic Monthly conference, World Affairs Council; Garrison Institute, Climate One, Climate Ride, National Institute of Health Environmental Roundtable, United Nations, UNICEF, Audubon Society board meeting, Environmental Defense Fund board meeting, Fund for the Environment and Urban Life board meeting, Harvard Book Store, Politics & Prose, among others.

Media: *Financial Times*, *New York Times*, *Wall Street Journal*, *Washington Post*, *Forbes*, *Foreign Policy*, *European Financial Review*, *Yale Environment 360*; National Public Radio (Living on Earth, Leonard Lopate), CNBC, Fox Business News, Wake Up with AI, Yahoo! Business News, among others.

Last updated on 6 April 2015.